WHAT IS CLAIMED IS:

1.   A network-based design service system, comprising:

design database server for storing a design database containing information on parts/vendors, information on sample circuits, and information on anti-noise circuit and other design know-how that are registered by a parts vendor in advance via a network;

designer terminal for a designer to search said design database, determine design conditions autonomously, and conduct the design of a device; and

account terminal for paying a royalty for utilizing the design database from the bank account of the designer to the bank account of the parts vendor upon utilization of said design database.

2.   The network-based design service system as set forth in claim 1, wherein

said designer terminal searches said design database on a WWW site, determines design conditions autonomously, and conducts the design of a device.

3.   The network-based design service system as set forth in claim 1, wherein

said account terminal has a function for paying an employment fee from the bank account of the parts

vendor to the bank account of the designer upon employment of a part by said designer.

4.   The network-based design service system as set forth in claim 1, comprising:

means for notifying a problem if a problem is found in a sample circuit, etc., during the design process for a device to other designer terminals being used by other designers working on the devices related to the device with said problem.

5.   The network-based design service system as set forth in claim 1, comprising:

means for the designer to conduct circuit design for a device, and determine parts to employ autonomously through price simulation for achieving the target price of the device and noise simulation for achieving the required noise proof performance.

6.   The network-based design service system as set forth in claim 1, comprising:

means for notifying a problem found in a sample circuit, etc., during the design process for a device, if any, to other designer terminals being used by other designers working on the devices related to the device with said problem; and

means for the designer to conduct circuit design

for a device, and determine parts to employ autonomously
through price simulation for achieving the target price
of the device and noise simulation for achieving the
required noise proof performance.

7.   A network-based design method, comprising the
steps of:
    a parts vendor registering on a design database
server various kinds of information, including
information on parts/vendors, information on sample
circuits, and information on anti-noise circuit and
other design know-how, in advance via a network;
    a designer searching said design database,
determining design conditions autonomously, and
conducting the design of a device; and
    paying a royalty for utilizing the design
database from the bank account of the designer to the
bank account of the parts vendor upon utilization of
said design database.

8.   The network-based design method as set forth in
claim 7, wherein
    said design step searches said design database on
a WWW site, determines design conditions autonomously,
and conducts the design of a device.

9.   The network-based design method as set forth in

claim 7, further comprising the step of:

    paying an employment fee from the bank account of the parts vendor to the bank account of the designer upon employment of a part by said designer.

10.   The network-based design method as set forth in claim 7, comprising the step of:

    notifying a problem if a problem is found in a sample circuit, etc., during the design process for a device to other designer terminals being used by other designers working on the devices related to the device with said problem.

11.   The network-based design method as set forth in claim 7, comprising the step of:

    the designer conducting circuit design for a device, and determine parts to employ autonomously through price simulation for achieving the target price of the device and noise simulation for achieving the required noise proof performance.

12.   The network-based design method as set forth in claim 7, comprising the steps of:

    notifying a problem if a problem is found in a sample circuit, etc., during the design process for a device to other designer terminals being used by other designers working on the devices related to the device

with said problem; and

the designer conducting circuit design for a
device, and determine parts to employ autonomously
10   through price simulation for achieving the target price
of the device and noise simulation for achieving the
required noise proof performance.

13.   A network-based design service system,
comprising:

design database server for storing a design
database containing information on parts/vendors,
5   information on sample circuits, and information on anti-
noise circuit and other design know-how that are
registered by a parts vendor in advance via a network;
and

designer terminal for a designer to search said
10   design database, determine design conditions
autonomously, and conduct the design of a device.

14.   The network-based design service system as set
forth in claim 13, wherein

said designer terminal searches said design
database on a WWW site, determines design conditions
5   autonomously, and conducts the design of a device.

15.   The network-based design service system as set
forth in claim 13, comprising:

means for notifying a problem if a problem is found in a sample circuit, etc., during the design process for a device to other designer terminals being used by other designers working on the devices related to the device with said problem.

16.   The network-based design service system as set forth in claim 13, comprising:

means for the designer to conduct circuit design for a device, and determine parts to employ autonomously through price simulation for achieving the target price of the device and noise simulation for achieving the required noise proof performance.

17.   The network-based design service system as set forth in claim 13, comprising:

means for notifying a problem if a problem is found in a sample circuit, etc., during the design process for a device to other designer terminals being used by other designers working on the devices related to the device with said problem; and

means for the designer to conduct circuit design for a device, and determine parts to employ autonomously through price simulation for achieving the target price of the device and noise simulation for achieving the required noise proof performance.